Pathologists as Integral Care Team Members



Roger D. Klein, MD JD CLIAC Meeting November 1, 2017

Diagnostic Error Definition

"[T]he failure to (1) establish an accurate and timely explanation of the patient's health problem(s) or (2) communicate that explanation to the patient."

The Problem

- •1 in 10 diagnoses
- •1 in 20 patients each year
- "It is likely that most of us will experience at least one diagnostic error in our lifetime, sometimes with devastating consequences."

Teamwork as a Proposed Solution

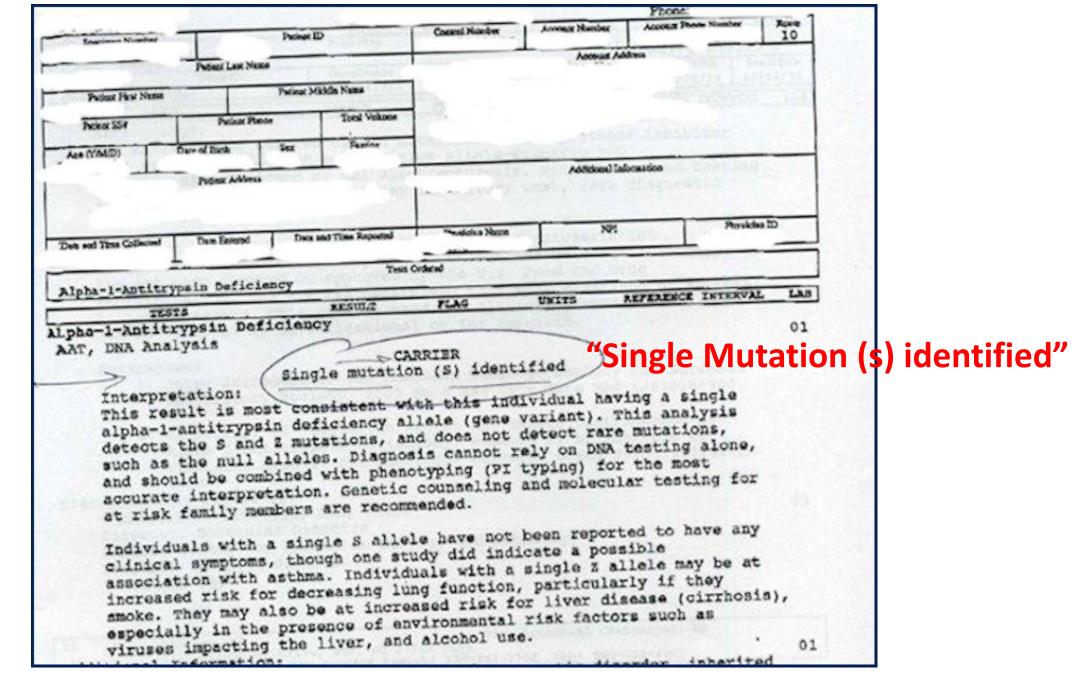
GOAL 1: FACILITATE MORE EFFECTIVE TEAMWORK IN THE DIAGNOSTIC PROCESS AMONG HEALTH CARE PROFESSIONALS, PATIENTS, AND THEIR FAMILIES

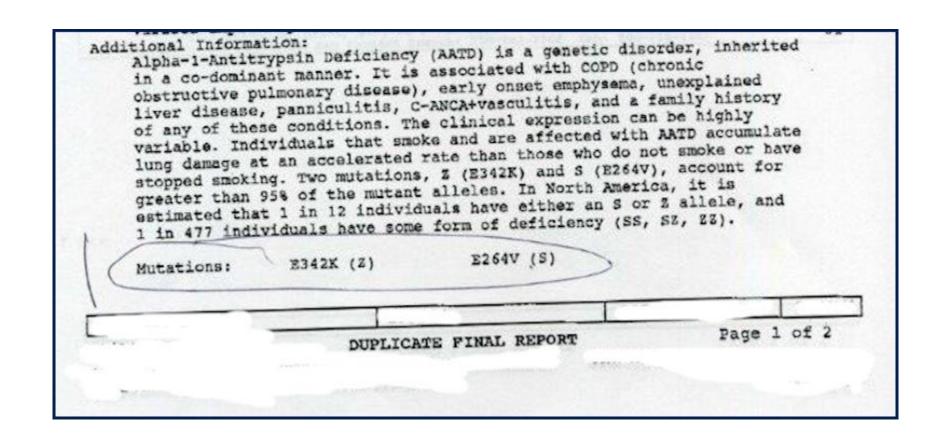
- pathologists can be important contributors to team in fulfilling many of the IOM recommendations
- will focus on issues surrounding use
 of clinical laboratory tests

 PRESENTED BY: Roger D. Klein, MD JD

Clinical Laboratory Error Rates

- Pre-analytic 14%
 - ordering including selection
 - sample collection
 - processing
- Analytic < 0.1%
- Post-analytic 7.5%
 - reporting
 - interpretation
 - communication





"Mutations: E342K (Z) E264V (S)"

Integration of Pathologists into the Health Care Team

- Diagnostic process
 - team activity focused on the patient
- Increased complexity of laboratory test menu
 - new molecular pathology tests
 - expanded beyond knowledge of treating physicians
- Laboratory-related diagnostic errors easy to make
- Laboratory tests play a central role in patient management
 - errors in test selection or interpretation can have serious consequences
- Argues for greater role for pathologists
 - experts in test selection and interpretation

Clinical Laboratory Error Rates

- Pre-analytic 14%
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- Post-analytic 7.5%
 - reporting
 - interpretation
 - communication (caregivers and patients)

Example Laboratory Consultations

- Coagulation
 - evaluation of prolonged PTT in patient without heparin
 - other potential factor deficiencies
- Genetics
 - evaluation of adult patients with cardiomyopathy or ataxia
 - evaluation of pediatric patients with developmental delay
- Molecular Oncology
 - therapeutic implications of genetic variants in tumors
- Rheumatology
 - interpretation of highly positive antinuclear antibody test
- Emergency Medicine/Cardiology
 - significance of a positive latest generation troponin test
- Therapeutic drug monitoring for pain management

Representative Evidence

AND COMMENTS

Algorithmic Approach With Clinical Pathology Consultation Improves Access to Specialty Care for Patients With Systemic Lupus Erythematosus

Let Chen, MD, F. Korry, J., Wolds, MD, PhD, Strian Chang, MD, Laura Kidd, MD, 1

Compelation and Transferior Medicine / Crepture of Contact at the Factors

Clinical Pathology Consultation Improves Coagulation Factor Utilization in Hospitalized Adults

Manuell, Manuel MD (Gorse & Fritain MS MT/ASCP) J. Alan Lone MD |

Detecting familial hypercholesterolaemia in the community: Impact of a telephone call from a chemical pathologist to the requesting general practitioner

Damon A. Bell J. B. C. A., Amanda J. Hooper K. G., Glenn Edwards Lynda Southwell Jing Pang Frank M. van Bockxmeer L. Gerald F. Watts A. John R. Burnett A. D.

An Analysis of Clinical Consultation Activities in Clinical Pathology

Who Requests Help and Why

Robert L. Schmidt, MD, PhD, MBA, Jeanne Panlener, MT(ASCP), and Jerry W. Hussong, DDS, MS, MD

From the Department of Parhology, University of Unit School of Medicine and ARL'P Laboratorios, Salt Lake City, UT.

Key Words: Consultation; Chical pathology; Service design

Algorithmic approach to testing combination with clinical pathology consultation results in more time SLE diagnosis (Chen et al. AJCP 2016)

Clinical pathology consultation improves coagulation factor utilization (Marques, et al. AJCP 2003)

Call from clinical pathologist increases rate of detection of familial hypercholesterolemia (Bell et al. Atherosclerosis 2015)

Most calls originated from primary care physicians, with requests varying by caller type (Schmidt et al. AJCP 2014)

Consultations (Clinical Pathology)

A clinical pathology consultation is a service, including a written report, rendered by the pathologist in response to a request from a physician or qualified health care professional in relation to a test result(s) requiring additional medical interpretive judgment.

Reporting of a test result(s) without medical interpretive judgment is not considered a clinical pathology consultation.

80500

Clinical pathology consultation; limited, without review of patient's history and medical records

CPT Assistant Apr 97:9, Nov 02:9, Aug 05:9

80502

comprehensive, for a complex diagnostic problem, with review of patient's history and medical records

CPT Assistant Apr 97:9, Nov 02:9, Aug 05:9

(These codes may also be used for pharmacokinetic consultations)

(For consultations involving the examination and evaluation of the patient, see 99241-99255)

Medicare Clinical Consultation Services Requirements (42 CFR 415.130 (c))

- Must meet the following requirements:
 - (1) Be requested by the beneficiary's attending physician.
 - (2) Relate to a test result that lies outside the clinically significant normal or expected range in view of the condition of the beneficiary.
 - (3) Result in a written narrative report included in the beneficiary's medical record.
 - (4) Require the exercise of medical judgment by the consultant physician.

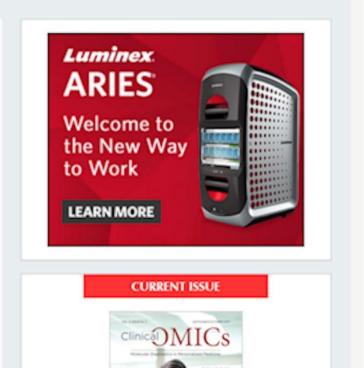


ARTICLES

Laboratories Take Aim at Proposed PAMA 2018 Medicare Rates for Tests

SEPTEMBER 27, 2017

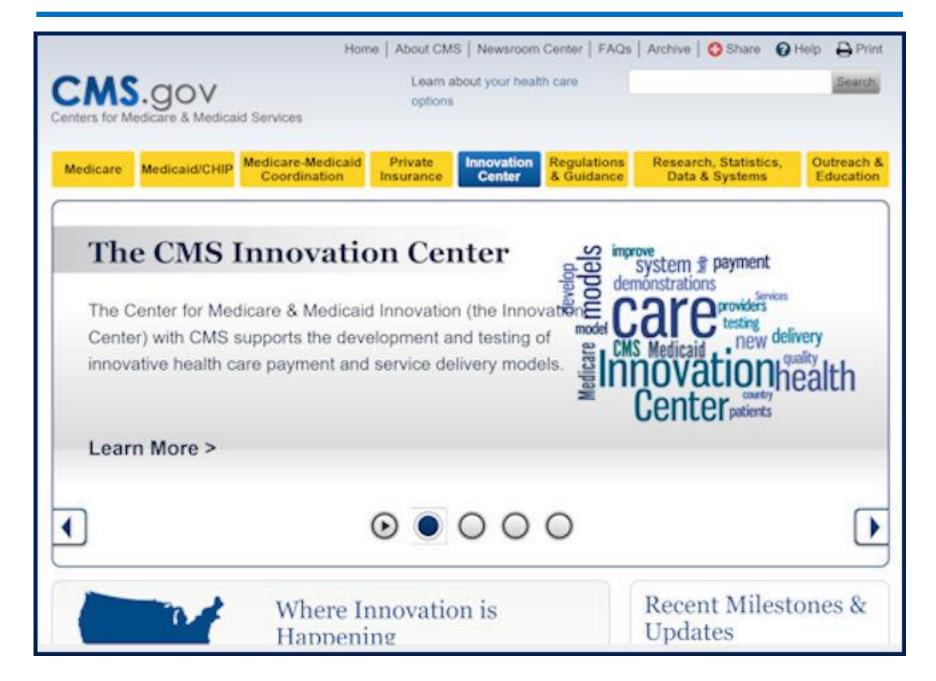






80502 RVU 1.33

80500 RVU 0.37



IOM Recommendation 1a

- Goal 1: Facilitate more effective teamwork in the diagnostic process among health care professionals, patients, and their families
- Recommendation 1a: In recognition that the diagnostic process is a dynamic team-based activity, health care organizations should ensure that health care professionals have the appropriate knowledge, skills, resources, and support to engage in teamwork in the diagnostic process. To accomplish this, they should facilitate and support:
 - Intra- and interprofessional teamwork in the diagnostic process.
 - Collaboration among pathologists, radiologists, other diagnosticians, and treating health care professionals to improve diagnostic testing processes.

IOM Recommendation 7a

- Goal 7: Design a payment and care delivery environment that supports the diagnostic process
- Recommendation 7a: As long as fee schedules remain a predominant mechanism for determining clinician payment, the Centers for Medicare & Medicaid Services (CMS) and other payers should:
 - Create current procedural terminology codes and provide coverage for additional evaluation and management activities not currently coded or covered, including time spent by pathologists, radiologists, and other clinicians in advising ordering clinicians on the selection, use, and interpretation of diagnostic testing for specific patients. ...

IOM Recommendation 7b

- Goal 7: Design a payment and care delivery environment that supports the diagnostic process
- Recommendation 7b: CMS and other payers should assess the impact of payment and care delivery models on the diagnostic process, the occurrence of diagnostic errors, and learning from these errors.

Proposed CLIAC Recommendation 1

 HHS should consider requesting the American Medical Association to convene a multidisciplinary stakeholder work group to develop new and/or modify current CPT codes to adequately describe pathologists' work in advising ordering clinicians on the selection, use, and interpretation of diagnostic testing for specific patients.

Proposed CLIAC Recommendation 2

- HHS should consider convening a working group to study the need to revise Medicare requirements that associated with billing for clinical pathology consultations.
 - In particular, the working group should consider whether the requirement that a consult relate to an abnormal or unexpected laboratory test value limits or discourages consultations related to test ordering.
 - The working group should consider whether standing orders for consultations should be permitted in some circumstances.

Proposed CLIAC Recommendation 3

- HHS should consider supporting one or more studies that attempt to better understand the role of clinical pathology consultation in reducing diagnostic errors, improving patient errors, and reducing health care costs
 - Such a study may involve the Center for Medicare and Medicaid Innovation and include one or more Medicare demonstration projects.